

**S**YSTEM **P**LANNING & **A**NALYSIS **R**EPORT

**S-86A**

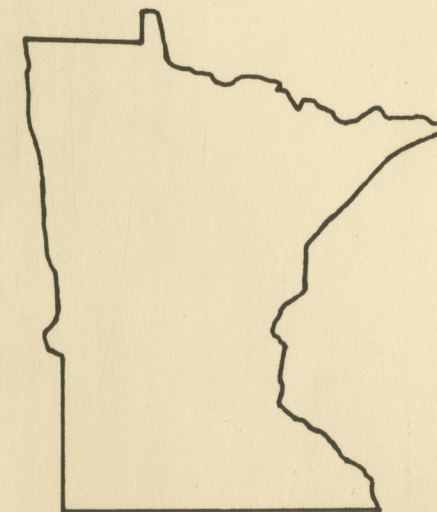
TH 8  
TH 61 to Taylors Falls

TH 97  
TH 61 to TH 95

S.P. 1301, 1308, 8212

April, 1974

PREPARED BY  
**OFFICE OF SYSTEM PLANNING**



**MINNESOTA  
DEPARTMENT  
OF HIGHWAYS**



STATE OF MINNESOTA  
*Office Memorandum*

DEPARTMENT HIGHWAY - Statewide Planning  
Room 807 Ext. 3158

TO : Paul G. Velz  
Road Design Engineer

DATE: April 24, 1974

FROM : Morris Gildemeister, Chief  
Statewide Planning Section

SUBJECT: TH 8, TH 61 To Taylors Falls, S.P. 1301, 1308  
TH 97, TH 61 To TH 95, S.P. 8212  
System Planning & Analysis Report S-86A

This report is transmitted in response to William C. Merritt's December 28, 1973 request for 1980 & 1990 traffic volumes on the above referenced project. The project location is shown on the map on page 2. The 1980 & 1990 ADT is on the map on page 3. The attendant data for the 1980 ADT is on pages 4 & 5 while the attendant data for the 1990 ADT is on pages 6 & 7.

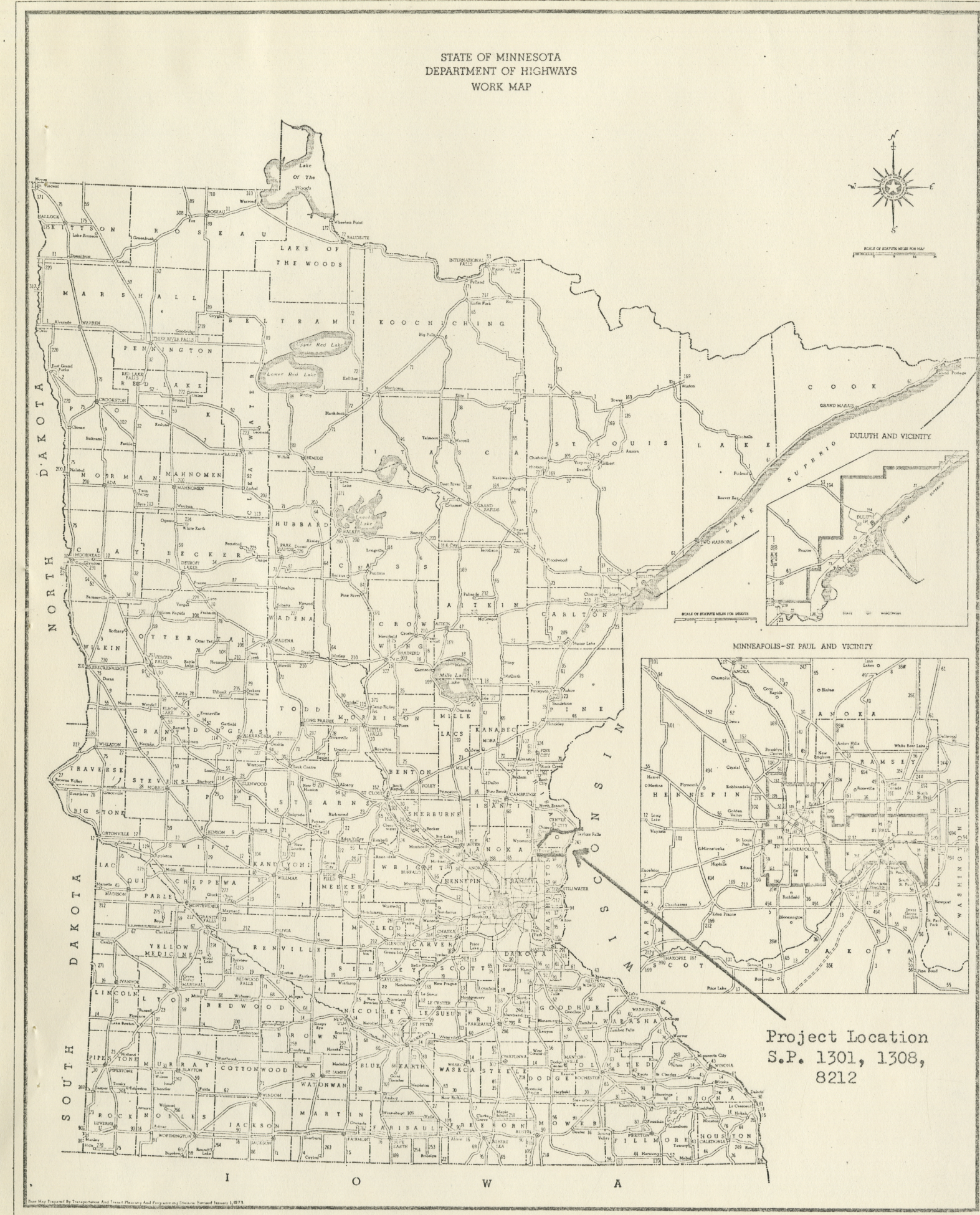
Segment 14, with a 1990 ADT of 15,400, has the highest ADT on the project. This segment has a 1972 ADT of 10,300.

The basic data, method & assumptions are on page 8.

*Morris Gildemeister*

Morris Gildemeister, Chief  
Statewide Planning Section

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## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1980 PART 1 OF 2

FOR

T.H. 8, 97 S.P. 1301, 1308, 8212 LENGTH --- MILESCOUNTY Chisago, Washington LOCATION TH 8 - TH 61 ToTaylors Falls; TH 97 - TH 61 To TH 95

BASED ON

1980 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	5162	3338	2973	2363	1891	1847	8112	7532	1143	8575	10,673
1	194	118	96	68	52	49	172	161	24	185	212
2	50	31	25	19	16	15	39	36	6	42	49
3	9	6	6	6	5	5	18	18	2	20	21
4	13	8	7	7	6	6	36	36	3	39	41
5	28	21	20	19	16	15	180	177	16	193	201
6	44	28	23	18	14	13	43	40	6	46	53
TOTAL ADT	5500	3550	3150	2500	2000	1950	8600	8000	1200	9100	11250
TOTAL H. COMM. ADT	338	212	177	137	109	103	488	468	57	525	577
TOTAL DHV	616	398	352	280	224	220	1152	1072	150	1216	1502
DIRECTIONAL DISTRIBUTION	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40

## \* VEHICLE TYPE CODE

0 = PASSENGER CARS AND 4 TIRE TRUCKS  
 1 = SINGLE UNIT-2 AXLE-6 TIRE TRUCKS  
 2 = SINGLE UNIT-3 AXLE TRUCKS  
 3 = TRACTOR-TRUCK OR SEMI-TRAILER- 3 AXLES  
 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEM-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS

## TRAFFIC ESTIMATE DATA

DESIGN YEAR 1980 PART 2 OF 2

FOR

T.H. 8, 97 S.P. 1301, 1308, 8212 LENGTH - MILESCOUNTY Chisago, Washington LOCATION TH 8 - TH 61To Taylors Falls; TH 97 - TH 61 To TH 95

BASED ON

1980 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS

DEFINED ON ATTACHED INDEX MAP

VEHICLE # TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	9456	9746	11900	10674	9363	7089	5516	5227	1410	6010	8316
1	197	203	232	218	195	155	120	116	41	143	187
2	44	46	50	48	43	36	27	26	12	36	49
3	20	20	21	20	20	18	16	16	5	20	21
4	39	39	41	40	39	36	34	33	6	38	40
5	195	195	201	198	194	178	158	155	14	166	188
6	49	51	55	52	46	38	29	27	12	37	49
TOTAL ADT	10000	10300	12500	11250	9900	7550	5900	5600	1500	6450	8850
TOTAL H. COMM. ADT	544	554	600	576	537	461	384	373	90	440	534
TOTAL DHV	1324	1362	1654	1490	1312	1000	794	754	172	852	1170
DIRECTIONAL DISTRIBUTION	60-40	60-40	60-40	60-40	60-40	60-40	65-35	65-35	60-40	65-35	65-35

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 4 = TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
 5 = TRACTOR-TRUCK OR SEM-TRAILER - 5 AXLES  
 6 = BUSES AND TRUCKS WITH TRAILERS



TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 1 OF 2

FOR

T.H. 8, 97 S.P. 1301, 1308, 8212 LENGTH - MILES  
COUNTY Chisago, Washington LOCATION TH 8 - TH 61  
To Taylors Falls; TH 97 - TH 61 To TH 95

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 1 THROUGH 11 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	1	2	3	4	5	6	7	8	9	10	11
0	8262	5116	4568	3774	2988	2653	10844	9971	1430	11401	13349
1	300	180	148	110	74	68	207	192	27	219	246
2	84	50	42	34	24	21	58	54	8	62	69
3	14	10	10	10	8	7	23	23	2	25	26
4	20	14	12	12	10	9	46	46	4	50	52
5	48	34	32	30	24	22	264	260	22	282	290
6	72	46	38	30	22	20	58	54	7	61	68
TOTAL ADT	8800	5450	4850	4000	3150	2800	11500	10600	1500	12100	14100
TOTAL H. COMM. ADT	538	334	282	226	162	147	656	629	70	699	751
TOTAL DHV	986	610	542	448	354	318	1540	1420	188	1608	1870
DIRECTIONAL DISTRIBUTION	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40	60-40

\* VEHICLE TYPE CODE

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- 4= TRACTOR-TRUCK OR SEMI-TRAILER - 4 AXLES  
5= TRACTOR-TRUCK OR SEMI-TRAILER - 5 AXLES  
6= BUSES AND TRUCKS WITH TRAILERS

TRAFFIC ESTIMATE DATA

DESIGN YEAR 1990 PART 2 OF 2

FOR

T.H. 8, 97 S.P. 1301, 1308, 8212 LENGTH - MILES  
COUNTY Chisago, Washington LOCATION TH 8 - TH 61  
To Taylors Falls; TH 97 - TH 61 To TH 95

BASED ON

1990 ADT FROM TRAFFIC ANALYSIS UNIT

SHOWING

TOTAL ADT ON SEGMENTS 12 THROUGH 22 AS  
DEFINED ON ATTACHED INDEX MAP

VEHICLE * TYPE	SEGMENT NUMBER										
	12	13	14	15	16	17	18	19	20	21	22
0	12033	12373	14626	13154	11699	9291	7575	7286	1978	8499	10805
1	230	236	266	250	224	182	144	140	52	174	218
2	64	66	70	67	60	50	40	39	16	52	65
3	25	25	26	25	25	23	21	21	7	27	28
4	50	50	52	51	50	46	44	43	9	50	52
5	284	284	290	286	282	258	236	233	20	248	270
6	64	66	70	67	60	50	40	38	18	50	62
TOTAL ADT	12750	13100	15400	13900	12400	9900	8100	7800	2100	9100	11500
TOTAL H. COMM. ADT	717	727	774	746	701	609	525	514	122	601	695
TOTAL DHV	1690	1740	2040	1844	1648	1318	1090	1040	242	1200	1510
DIRECTIONAL DISTRIBUTION	60-40	60-40	60-40	60-40	60-40	60-40	65-35	65-35	60-40	65-35	65-35

\* VEHICLE TYPE CODE

- 0= PASSENGER CARS AND 4 TIRE TRUCKS  
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#### Basic Data, Method & Assumption

This report is an update of S-86 which was transmitted in March, 1972. In this current report, TH 8 maintains its present alignment. The common segments in both reports are in agreement. The ADT's on TH 97 are essentially from the Metropolitan Planning Section. The vehicle type distribution & DHV are from earlier reports in the area.